

EXHIBIT 20

Certificate of Registration



This Certificate issued under the seal of the Copyright Office in accordance with title 17, United States Code, attests that registration has been made for the work identified below. The information on this certificate has been made a part of the Copyright Office records.

Marybeth Peters

Register of Copyrights, United States of America

Registration Number:

TXu 1-592-305

Effective date of
registration:

July 17, 2007

Title

Title of Work: Cisco IOS XR version 3.5

Previous or Alternative Title: Cisco IOS XR release 3.5, Cisco Internetwork Operating System version XR version 3.5, Cisco Internetwork Operating System XR release 3.5; IOX version 3.5; IOS NG version 3.5, IOS NG release 3.5; HFROS version 3.5, HFROS release 3.5; ENA version 3.5, ENA release 3.5; Cisco Q version 3.5, Cisco Q release 3.5

Completion/ Publication

Year of Completion: 2007

Author

Author: Cisco Systems, Inc

Author Created: New and revised computer code and documentation

Work made for hire: Yes

Domiciled in: United States

Anonymous: No

Pseudonymous: No

Author: Abacus

Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

Author: Cisco Technology, Inc

Author Created: Computer Code & Documentation

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes

Pseudonymous: No

<input checked="" type="checkbox"/>	Author: Cyber Professionals, Inc	
	Author Created: Computer Code	
	Work made for hire: Yes	
	Domiciled in: United States	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: Data Connection Ltd	
	Author Created: Computer Code	
	Work made for hire: Yes	
	Domiciled in: United Kingdom	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: Digital-X, Inc	
	Author Created: Computer Code	
	Work made for hire: Yes	
	Domiciled in: United States	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: Ensoft Ltd.	
	Author Created: Computer Code	
	Work made for hire: Yes	
	Domiciled in: United Kingdom	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: Fujitsu Japan	
	Author Created: Computer code	
	Work made for hire: Yes	
	Domiciled in: Japan	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: HCL	
	Author Created: Computer code	
	Work made for hire: Yes	
	Domiciled in: India	
	Anonymous: Yes	Pseudonymous: No
<input checked="" type="checkbox"/>	Author: MetaData	
	Author Created: Computer code	
	Work made for hire: Yes	
	Domiciled in: Canada	
	Anonymous: Yes	Pseudonymous: No

■ **Author:** ONE-ANS
Author Created: Computer code

Work made for hire: Yes

Domiciled in: Italy

Anonymous: Yes **Pseudonymous:** No

■ **Author:** Pure Solutions
Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes **Pseudonymous:** No

■ **Author:** QNX Software
Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes **Pseudonymous:** No

■ **Author:** Sapphire InfoTech, Inc.
Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes **Pseudonymous:** No

■ **Author:** Stivant
Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes **Pseudonymous:** No

■ **Author:** TechOne
Author Created: Computer Code

Work made for hire: Yes

Domiciled in: United States

Anonymous: Yes **Pseudonymous:** No

■ **Author:** TechOne

Copyright claimant

Copyright Claimant: Cisco Technology, Inc

170 West Tasman Drive, San Jose, CA, 95134

Transfer Statement: By written agreement

Limitation of copyright claim

Material excluded from this claim: Prior works by claimant and preexisting third party computer code

Previously registered: Yes

Previous registration and year: TXu 1-344-750 | 2007

Basis of current registration: This is a changed version of the work.

New material included in claim: New and revised computer code and documentation

Certification

Name: Dan Lang

Date: July 17, 2007
